

**NONPROVISIONAL PATENT  
APPLICATION TRANSMITTAL RULE §1.53(b)  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Customer Number 32294**

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**Docket No.: 60626.00010**

**Date: October 31, 2003**

**Commissioner for Patents**

**P.O. Box 1450**

**Alexandria, VA 22313-1450**

**MAILSTOP PATENT APPLICATION**

**Sir:**

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is a nonprovisional patent application:

**For (Title):** A METHOD AND AN APPARATUS FOR ESTIMATING AN  
AMOUNT OF DRAWN AIR OF A CYLINDER OF AN  
INTERNAL-COMBUSTION ENGINE AND A METHOD AND  
AN APPARATUS FOR CONTROLLING THE AMOUNT

**By (Inventors):** Yuji YASUI (Wako-shi, Japan); Yosuke ISHIKAWA (Wako-shi,  
Japan); Takahide MIZUNO (Wako-shi, Japan); and Michihiko  
MATSUMOTO (Tokyo, Japan)

- ☒ 41 pages of Specification/Claims 1-28/Abstract are attached.
- ☒ Formal drawings (Figs. 1-16; 16 sheets) are attached.
- ☐ A Declaration and Power of Attorney is attached.
- ☐ An assignment of the invention to \_\_\_\_\_ is attached, along with Form PTO-1595 and a check for \$40.00.
- ☒ An Information Disclosure Statement is attached, along with Form PTO-1449, and 1 reference(s).
- ☒ Priority of foreign application No. 2002-320362 filed November 1, 2002 in Japan is claimed under 35 U.S.C. §119.
- ☐ Priority of U.S. Provisional Application(s) No. \_\_\_\_\_ filed \_\_\_\_\_ is claimed under 35 U.S.C. §119(e).
- ☒ A certified copy of the above corresponding foreign application is attached.

The filing fee is calculated below and includes claim status after entry of any Preliminary Amendment noted above:

			SMALL ENTITY			LARGE ENTITY	
FOR:	NO. FILED	NO. EXTRA	RATE	FEE	OR	RATE	FEE
BASIC FEE				\$ 385	OR		\$ 770
TOTAL CLAIMS	28 - 20	= 8	x 9 =		OR	x 18	\$144
INDEP CLAIMS	12 - 3	= 9	x 43 =		OR	x 86	\$774
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS			+145 =		OR	+290	
			TOTAL		OR	TOTAL	1,688

☒ A check for the filing fee is not enclosed at this time.

Respectfully submitted,

  
Douglas H. Goldhush  
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DHG/scc